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REMARKS/DISCUSSION OF ISSUES

As an initial matter, Applicants appreciate the Examiner's many courtesies in attempting to schedule an interview. Although no interview was held, Applicants do appreciate the Examiner's courtesy and attempts to schedule the same.

In the Non-Final Office Action, the Examiner rejected pending claims 1-18 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,628,615 B1 to *Joseph*. The Applicants respond to this rejection as subsequently recited herein, and respectfully request reconsideration and further examination of the present application under 37 CFR § 1.112.

As to the rejection, the Applicants have thoroughly considered The Examiner's remarks concerning the patentability of claims 1-18 over *Joseph*. The Applicants have also thoroughly read *Joseph*. To warrant this §102(e) rejection of pending claims 1-18, *Joseph* must show each and every limitation of claims 1-18 in as complete detail as is contained in claims 1-18. See, MPEP §2131. The Applicants respectfully traverse this §102(e) rejection of claims 1-18, because *Joseph* fails to show the following limitations of claims 1-18 in as complete detail as is contained in claims 1-18:

1. "displaying a communication requesting a priority of a network transaction" as recited in independent claims 1, 7 and 13;
2. "monitoring a port address for an initiation of the network transaction" as recited in dependent claims 2, 8 and 14;
3. "wherein the communication is displayed subsequent to a detection of the initiation of the network transaction" as recited in dependent claims 3, 9 and 15;

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4. "creating a thread for controlling a processing of the network transaction in response to a detection of the initiation of the network transaction" as recited in dependent claims 4, 10 and 16;
5. "generating a priority schedule based upon the priority corresponding to the network transaction as indicated by the input" as recited in dependent claims 5, 11 and 17; and
6. "executing the thread to control the processing of the network transaction in accordance with the priority schedule" as recited in dependent claims 6, 12 and 18.

Specifically, as illustrated in FIG. 2, *Joseph* teaches a transport agent 200 for receiving messages 220 that may include a priority, and if not, *Joseph* teaches the transport agent 200 will assign a priority to an incoming message. *See, Joseph* at column 4, line 37 to column 5, line 8. An understanding of transport agent 200 of *Joseph* reveals that transport agent 200 does not display a communication requesting a priority of an incoming message 220 as required by independent claims 1, 7 and 13, because an incoming message 220 will either contain a pre-assigned priority or will be assigned a priority by transport agent 200. In fact, the term "display" is never used in any capacity in *Joseph*. Furthermore, since an incoming message 220 will either be contain a pre-assigned message or be assigned a priority by transport agent 200, an understanding of transport agent 200 of *Joseph* reveals that transport agent 200 does not monitor a port address for an initiation of a message 220 for purposes of subsequent displaying a communication request for a priority of the incoming message 220 as required by dependent claims 2, 3, 8, 9, 14 and 15.

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Still referring to FIG. 2, upon receiving an incoming message 220, transport agent 200 forwards information about the incoming message 220 on second level channels 201 to a flit handler 203 whereby flit handler 203 will compose a latency sensitive flit 250 and/or a bandwidth sensitive flit 250' in accordance with the forward message information. Each message information received by flit handler 203 includes a message type and a priority whereby flit handler 203 composes a flit 250 and/or a flit 250' from the message information based on a message type and priority of the message information and transmit the composed flit 250 and/or flit 250' based solely on the message type via a scheduler that multiplexes the flits 250/250' from first level channels to a network 206. For example, flit handler 203 will pause a composition of a flit 250 and/or a flit 250' with a lower priority upon receiving message information corresponding to a flit 250 and/or a flit 250' of a higher priority to thereby compose the high priority flit 250 and/or a flit 250' prior to finishing the composition of the lower priority flit 250 and/or a flit 250'. Thus, the higher priority flit 250 and/or a flit 250' will be provided to the multiplexing scheduler prior to the lower priority flit 250 and/or a flit 250' will be provided to the multiplexing scheduler. See, Joseph at column 7, lines 1-20.

An understanding of flit handler 203 of *Joseph* reveals that flit handler 203 does not include threads for controlling a composition and transmission of flits as required by dependent claims 4, 6, 10, 12, 16 and 18, because the use of threads would negate the need to pause the composition of a lower priority flit in view of receiving a higher priority flit during the composition of the lower priority flit and a need to multiplex the composed flits. In fact, the term "thread" is never used in any capacity in *Joseph*. Furthermore, an understanding of the scheduler of *Joseph* reveals the scheduler does not multiplex and transmit the composed flits based on their priorities as required by dependent claims 5, 13 and 15.

Withdrawal of the rejection of claims 1-18 under §102(e) as being anticipated by *Joseph* is therefore respectfully requested.

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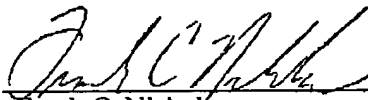
SUMMARY

The Examiner's rejection of claims 1-18 has been obviated by the remarks herein supporting an allowance of claim 1-18 over the art of record. The Applicants respectfully submit that claims 1-18 as listed herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, The Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

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Respectfully submitted,
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